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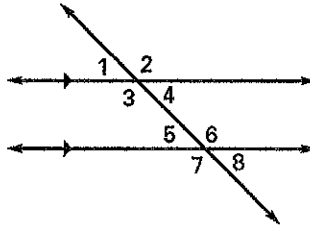
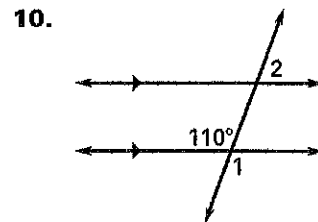
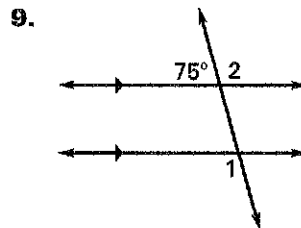
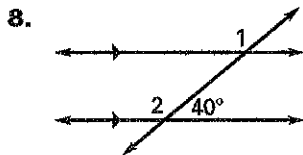
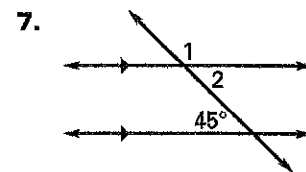
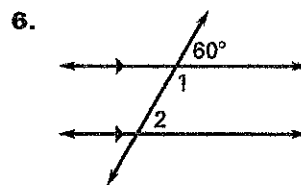
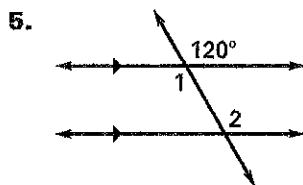
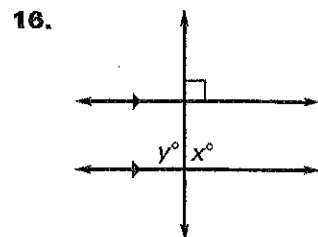
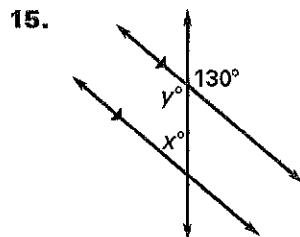
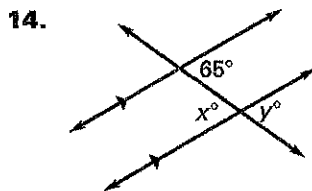
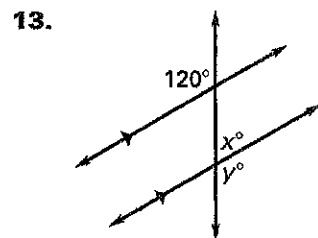
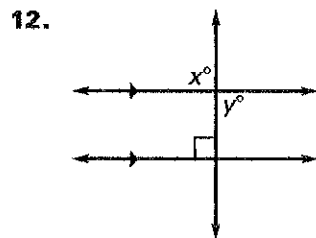
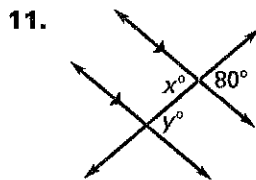
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LESSON
3.2**Practice A**

For use with the lesson "Use Parallel Lines and Transversals"

What postulate or theorem justifies the statement about the diagram?

- $\angle 1 \cong \angle 5$
- $\angle 4$ and $\angle 6$ are supplementary.
- $\angle 4 \cong \angle 5$
- $\angle 2 \cong \angle 7$

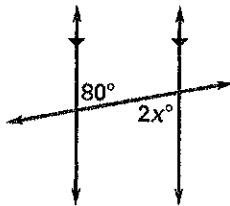
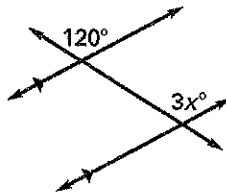
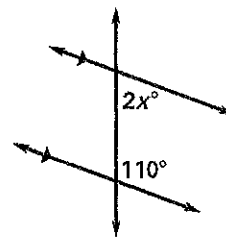
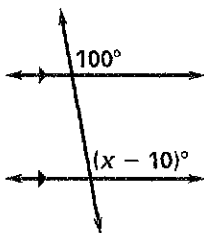
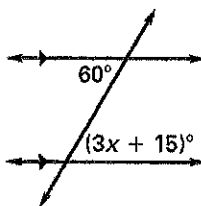
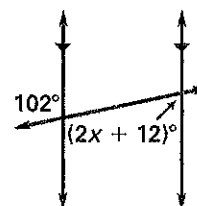
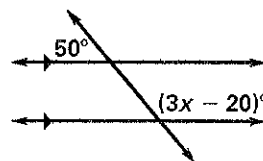
**Find $m\angle 1$ and $m\angle 2$.****Find the values of x and y .**

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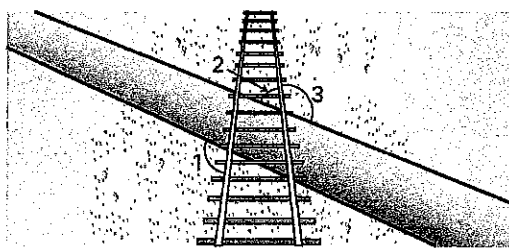
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LESSON
3.2**Practice A** *continued*

For use with the lesson "Use Parallel Lines and Transversals"

Find the value of x .**17.****18.****19.****20.****21.****22.****23. Multiple Choice** What is the value of x in the diagram?**A.** 40**B.** 50**C.** 60**D.** 70**In Exercises 24–27, use the diagram.**

A hiking trail crosses a set of train tracks as shown in the diagram. The parallel edges of the hiking trail forms angles 1, 2, and 3 with the parallel tracks.

**24.** If $m\angle 1 = 135^\circ$, what is $m\angle 3$?**25.** If $m\angle 1 = 135^\circ$, what is $m\angle 2$?**26.** If $m\angle 2 = 40^\circ$, what is $m\angle 3$?**27.** If $m\angle 2 = 50^\circ$, what is $m\angle 1$?